

--18. The joint construction of cobalt-based alloy material according to claim 17, wherein said cobalt-based alloy portion contains 0.6 to 3% C, 2% or less Si, 25 to 32% Cr, 15% or less W, 0 to 3% Fe, 0 to 3% Ni, and 0 to 6% Mo by weight, the balance being Co and unavoidable impurities.

B  
1  
--19. The joint construction of cobalt-based alloy material according to claim 17, wherein said cobalt-based alloy portion contains 0.6 to 3% C, 2% or less Si, 25 to 32% Cr, 15% or less W, 0 to 3% Fe, 0 to 3% Ni, and 0 to 6% Mo by weight, the balance being Co and unavoidable impurities.

--20. The joint construction of cobalt-based alloy material according to claim 4, wherein said base metal portion is formed of any of carbon steel, low alloy steel, and stainless steel.

--21. The joint construction of cobalt-based alloy material according to claim 4, wherein said cobalt-based alloy portion contains 0.6 to 3% C, 2% or less Si, 25 to 32% Cr, 15% or less W, 0 to 3% Ni, and 0 to 6% Mo by weight, the balance being Co and unavoidable impurities.

--22. The joint construction of cobalt-based alloy according to claim 2, wherein said insert metal layer contains an element diffused from said base metal portion and cobalt diffused from said cobalt-based alloy portion.

--23. The joint construction of cobalt-based alloy material according to claim 2, wherein the grain size of said eutectic carbide is not larger than 30  $\mu\text{m}$ .

--24. The joint construction of cobalt-based alloy material according to claim 2, wherein said base metal portion is formed of any of carbon steel, low alloy steel, and stainless steel.

B<sub>1</sub>  
--25. The joint construction of cobalt-based alloy material according to claim 2, wherein said cobalt-based alloy portion contains 0.6 to 3% C, 2% or less Si, 25 to 32% Cr, 15% or less W, 0 to 3% Fe, 0 to 3% Ni, and 0 to 6% Mo by weight, the balance being Co and unavoidable impurities.

--26. The joint construction of cobalt-based alloy material according to claim 22, wherein the grain size of said eutectic carbide is not larger than 30  $\mu\text{m}$ .

--27. The joint construction of cobalt-based alloy material according to claim 22, wherein said base metal portion is formed of any of carbon steel, low alloy steel, and stainless steel.

--28. The joint construction of cobalt-based alloy material according to claim 22, wherein said cobalt-based alloy portion contains 0.6 to 3% C, 2% or less Si, 25 to 32%

Cr, 15% or less W, 0 to 3% Fe, 0 to 3% Ni, and 0 to 6% Mo by weight, the balance being Co and unavoidable impurities.

--29. The joint construction of cobalt-based alloy material according to claim 27, wherein said cobalt-based alloy portion contains 0.6 to 3% C, 2% or less Si, 25 to 32% Cr, 15% or less W, 0 to 3% Fe, 0 to 3% Ni, and 0 to 6% Mo by weight, the balance being Co and unavoidable impurities.

B, 1  
--30. The valve according to claim 10, wherein the grain size of said eutectic carbide is not larger than 30  $\mu$ m.

--31. The valve according to claim 10, wherein said body portion is formed of carbon steel, low alloy steel, or stainless steel.

--32. The valve according to claim 10, wherein said cobalt-based alloy material portion contains 0.6 to 3% C, 2% or less Si, 25 to 32% Cr, 15% or less W, 0 to 3% Fe, 0 to 3% Ni, and 0 to 6% Mo by weight, the balance being Co and unavoidable impurities.

--33. The valve according to claim 31, wherein said cobalt-based alloy material portion contains 0.6 to 3% C, 2% or less Si, 25 to 32% Cr, 15% or less W, 0 to 3% Fe, 0 to 3% Ni, and 0 to 6% Mo by weight, the balance being Co and unavoidable impurities.

--34. The valve according to claim 9, wherein said insert metal layer contains an element diffused from said body portion and cobalt diffused from said cobalt-based alloy portion.

--35. The valve according to claim 9, wherein the grain size of said eutectic carbide is not larger than 30  $\mu\text{m}$ .

B,  
--36. The valve according to claim 9, wherein said body portion is formed of carbon steel, low alloy steel, or stainless steel.

--37. The valve according to claim 9, wherein said cobalt-based alloy material portion contains 0.6 to 3% C, 2% or less Si, 25 to 32% Cr, 15% or less W, 0 to 3% Fe, 0 to 3% Ni, and 0 to 6% Mo by weight, the balance being Co and unavoidable impurities.

--38. The valve according to claim 34, wherein the grain size of said eutectic carbide is not larger than 30  $\mu\text{m}$ .

--39. The valve according to claim 34, wherein said body portion is formed of carbon steel, low alloy steel, or stainless steel.

--40. The valve according to claim 34, wherein said cobalt-based alloy material portion contains 0.6 to 3% C, 2% or less Si, 25 to 32% Cr, 15% or less W, 0 to 3% Fe, 0 to 3%